

ABSTRACT OF THE DISCLOSURE

A CoPt- or FePt-alloy magnetic material in which a temperature to transform into an L1₀-ordered alloy is reduced and magnetic
5 anisotropy energy is controlled, and a method for manufacturing the magnetic material are provided. In a CoPt- or FePt-alloy magnetic material obtained according to plating, at least one element of Cu, Ni and B is contained with an atomic percent equal to or more than 1 % and equal to or less than 40 %. A method for manufacturing a magnetic material includes a
10 step of depositing a magnetic material in which at least one element of Cu, Ni and B is contained in a CoPt- or FePt-alloy magnetic material with an atomic percent equal to or more than 1 % and equal to or less than 40 %, from a plating solution, and a step of transforming the deposited magnetic material into an L1₀-ordered alloy according to annealing at a temperature equal to or
15 lower than 500 °C.

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